



# Transportation Packaging Quick Facts

Office of Environmental Management  
National Transportation Program



**Cask: Model-2000 Transport Package**

**Manufacturer:** General Electric Company (GE)

**Certification:** U.S. Nuclear Regulatory Commission (NRC) Certification USA/9228/B(U)F-85, Revision 19 (expires March 31, 2006) SARP NEDO-31581, NEDO-32229 [high flux isotope reactor (HFIR) fuel basket and liner], and NEDO-3240 [material test reactor (MTR) and Training, Research, Isotope production, General Atomic (TRIGA) fuels] transport packages

**General Description:** The Model-2000 is a steel-encased, lead-shielded shipping cask.

**Packaging Type:** B

**Gross Weight:** 33,550 pounds (15,218 kilograms) maximum load

**Capacity:** 5,450 pounds (2,472 kilograms) maximum

**Overall Dimensions:** Length 131.5 inches (334 centimeters), Diameter 72 inches (182.9 centimeters)

**Cavity Size:** Length 54 inches (137.2 centimeters), Diameter 26.5 inches (67.3 centimeters)

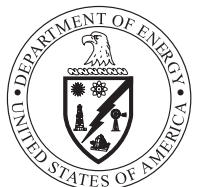
**Mode of Transport:** Truck

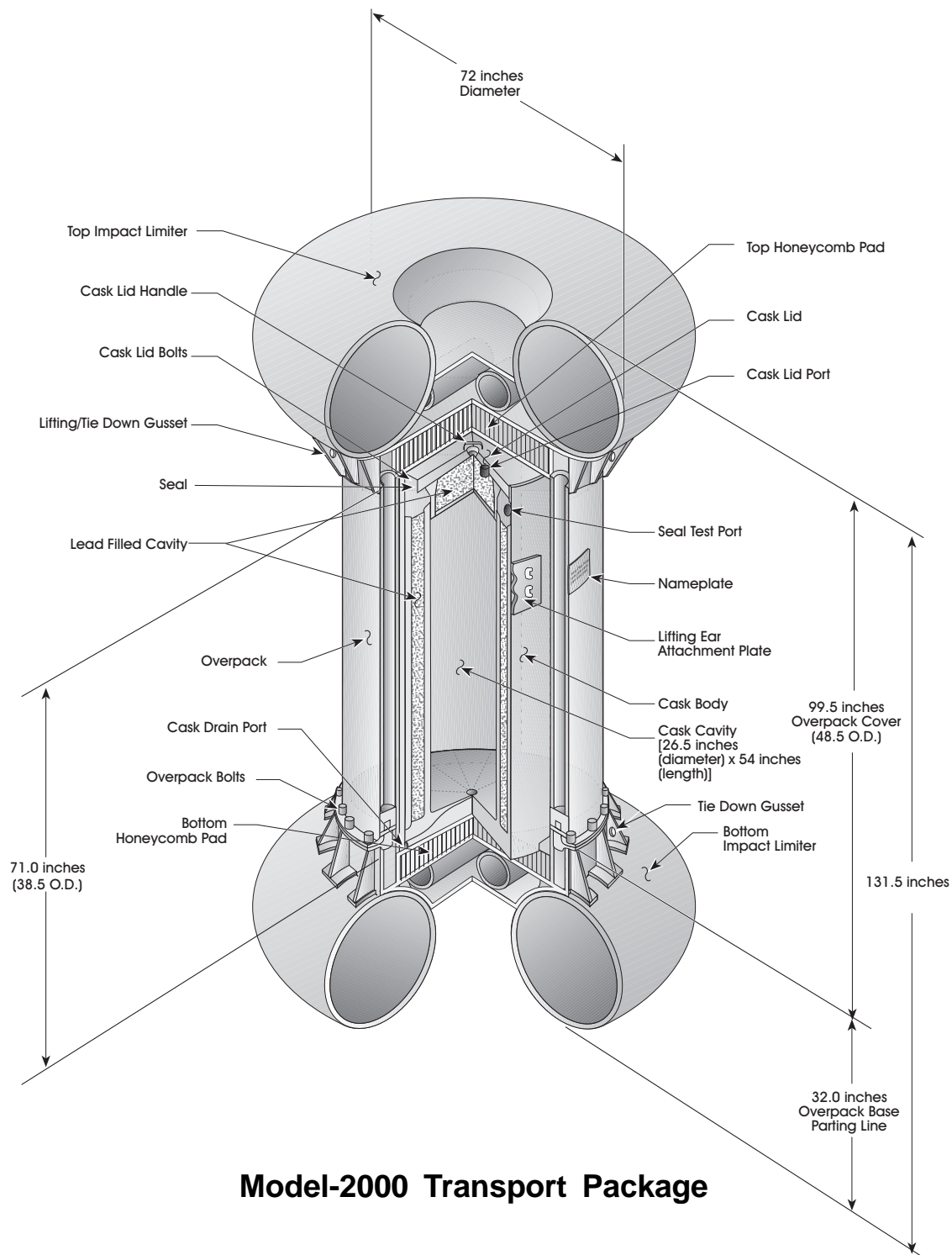
**Use:** The Model-2000 was purchased for the offsite transfer of HFIR and other DOE and university research reactor waste, including irradiated fuel rods and byproduct, source, or special nuclear materials. The S/N 2003 pictured above was the third Model-2000 cask designed and procured through GE, along with a liner and basket specially fabricated for shipping HFIR spent fuel to Savannah River, SC.

**Frequency of Use:** Twice a month

**Loading Process:** Top loading, gasket-sealed loading plug with vent, leak test, and drain ports

**Owner:** Research Reactors Division  
Oak Ridge National Laboratory  
Oak Ridge, TN





## Model-2000 Transport Package

Additional information on DOE's National Transportation Program may be obtained from:

National Transportation Program  
U.S. Department of Energy  
Albuquerque Operations Office  
P.O. Box 5400, MS SC-5  
Albuquerque, NM 87185-5400

Phone: 505-845-6134  
Fax: 505-845-5508

Website:  
<http://www.ntp.doe.gov/>

DOE Center for Environmental  
Management Information  
P.O. Box 23769  
Washington, DC 20026-3769

1-800-7EM-DATA  
1-800-736-3282

Website:  
<http://www.em.doe.gov/>

Transportation Resource Exchange Center  
ATR Institute  
University of New Mexico  
1001 University Blvd., SE  
Albuquerque, NM 87106-4342

Phone: 1-877-287-TREX (8739)  
Fax: 505-246-6001  
email: [trex@unm.edu](mailto:trex@unm.edu)

Website:  
<http://www.trex-center.org/>